**Grade 12 Chemistry, University Preparation (SCH4U)**

*Strand: Energy Changes and Rates of Reaction*

*Expectations:* D2.8, A1.2, A1.4, A1.5, A1.6, A1.8, A1.10, A1.11

*Learning Goal:*

We will be planning and conducting an inquiry to answer the question: “How does temperature, surface area, and adding a catalyst affect the rate of the following reaction ... ?”

*Success Criteria:*

* make appropriate predictions
* select equipment
* plan a procedure
* determine dependent, independent, and controlled variables
* conduct inquiry safely
* observe and record in appropriate format (e.g. table)
* interpret data
* draw and justify conclusion using data and connect to factors
* identify sources of error
* communicate ideas using a Vee Map (p.16 of handouts)